

name: _____

class: _____

date: _____

Understanding Latitude



The Earth is divided into imaginary lines called _____ and longitude, which help us navigate and find locations. Latitude lines run horizontally around the _____. They start at the equator and end at the poles. The _____ is the starting point for measuring latitude, which is designated as 0 _____. Locations north of the equator have northern latitude, while those to the south have southern latitude. These _____ go up to 90 degrees at the poles. Latitude lines are important for understanding _____, as they affect the amount of sunlight an area receives. For example, the _____ are warm because they are close to the equator, where sunlight hits directly. Beyond the tropics, the Earth's _____ curves away, receiving less direct sunlight, leading to cooler _____. Latitude also plays a crucial role in navigation. Sailors and pilots use it to determine their north-south position on the _____. By combining latitude with longitude, which runs vertically, they can pinpoint any location on _____. Maps often include these lines, enabling users to find specific places or plan routes. Modern _____, like GPS, uses satellite data to provide precise latitude and longitude coordinates, making _____ easier than ever. Understanding latitude is not only essential for _____ but also for gaining insight into the various climates and cultures that exist across different _____ of the world.

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latitudes Earth equator technology degrees measurements tropics